2972

3.25

R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. (9-14)	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2972	038	02	19	76	26BA	3657	7544

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0007	09	08	21	901	Y	W	05

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
1	CL	SA	E	FT	151	—	15	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00012	—	—	—

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
							PO	DO
START	36°57′	75°44′	3H4 2084	3H5 3076	7		1524	1525
							PU	ON
FINISH	36°59′	75°44′	2105	3077	7		1555	1559

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1200/5	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

Numerous small blue back

70 - 90 mm

2EBA

R/V DAN MOORE SPECIES LIST

STA. NO. 2972 DATE Feb 19 1976 BIOLOGISTS BFH SV SGK

TOT. CATCH WT. 12 AIR 21 SURFACE 8.8 BOTTOM 7.8

SAMPLE WT. 12 RAISING FACTOR 0

SPECIES	C or NC	SUBSAMPLE NUMBER	SUBSAMPLE WEIGHT	TOTAL NO.	TOTAL WT.	X WT	REMARKS
Alosa aestivalis		juveniles + immatures			10.7		~~*~~ HS and weight from
		65	10.7	110		0.2	are of larger herring
Brevoortia tyrannus				6	1.2	0.2	only
Menticirrhus littoralis				1	0.1	0.1	80% of herring catch was of juveniles (70-90mm)

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: *A. restivalis*

DATE: 2/19/76

STATION: 2972

LOCALITY: 26BA

T.L.	♂	♀	Unk
50-59.9			
60-			
70-			7
80-			36
90-			10
100-			
110-			
120-	1	1	
130-		1	
140-	4	8	
150-	3		
160-	4	6	
170-	6	5	
180-	6	2	
190-	2		
200-	2	2	
210-		2	
220-			
230-	1		
240-		1	
250-			
260-			
270-			
280-			
290-			
300-			
310-			
320-			
330-			
340-			
350-			
360-			
370			
380-			
390-			
400-			
410-			
420-			
430-			
440-			
450-			
460-			
470-			
480-			
490-			
500-			
510-			
520			
530-			
540-			

T.L.	♂	♀	Unk
550-			
560-			
570-			
580-			
590-			
600-			
610-			
620-			
630-			
640-			
650-			
660-			
670-			
680-			
690-			
700-			
TOTAL	29	28	53

N = 110

~~N = 57~~

* Refer to original

Range ♂ 123-238

♀ 121-245

Unk 76-95

Species. A. aestivalis

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1446	154	♂						Ic	2321	
47	155	♂						"		
48	153	♂						"		
49	233	♂								
50	151	♀						Im		
51	164	♀						"		
52	156	♂						"		
53	154	♀						Ia		
54	155	♂						"		
55	157	♂						"		
56	155	♂						"		
57	154	♀						"		
58	197	♂						Im	2972	~~Length freq. data from sample. Egg counts, Eggs & smears Sample is not random.~~
59	203	♀						Im		
60	214	♀						Im		
61	210	♀						"		
62	176	♂						"		
63	147	♀						"		
64	169	♂						"		
65	146	♀						"		
66	147	♀						"		
67	167	♂						"		
68	207	♂						"		
69	238	♂								
70	188	♂						Im		
71	179	♂						"		
72	150	♂						"		
73	144	♀						"		
74	147	♀						"		
75	168	♀								
76	163	♀						Im		
77	123	♂						Im		
78	169	♀						"		
79	171	♀						"		
80	142	♂						"		
81	141	♀						"		
82	165	♂						"		
83	147	♀						"		
84	145	♂						"		
85	151	♂						"		
86	206	♀						"		
87	187	♂						"		
88	176	♀						"		
89	206	♂						"		
90	187	♂						"		
91	163	♂						"		
92	186	♂						"		
93	190	♂						"		
94	182	♀						"		
95	121	♀						"		

this length freq. distribution is a representative sample. actual #'s were not obtained because herring were so small they went through the mesh of the net.

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Species: A. aculeatus

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Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1496	182	♀						III	2502	
97	245	♀						V		
98	170	♂						II		
99	196	♂						IV		
1	130	♂						I		
2	167	♀						III		
3	181	♀						IV		
4	170	♂						II		
5	135	♀						II		
6	147	♂						II		
7	164	♀						III		
8	185	♂						II		
9	176	♀						III		
1500	177	♀						III		
11	178	♂						II		
12	164	♀						III		
13	172	♂						II		
14	145	♀						III		
15	120	♀						III		
16	83	UNK						II		
17	80	"						I		
18	85	"						I		
19	86	"						I		
20	86	"						I		
21	84	"						I		
22	87	"						I		
23	90	"						I		
24	92	"						I		
25	78	"						I		
26	90	"						I		
27	90	"						I		
28	83	"						I		
29	88	"						I		
30	82	"						I		
31	86	"						I		
32	89	"						I		
33	94	"						I		
34	95	"						I		
35	84	"						I		
36	93	"						I		
37	88	"						I		
38	82	"						I		
39	85	"						I		
40	79	"						I		
41	91	"						I		
42	84	"						I		
43	80	"						I		
44	76	"						I		
45	92	"						I		

Species: *Alosa aestivalis* 9

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1546	83	UNK						IM	2972	
47	84	"						"		
48	76	♀						"		
49	89	"						"		
50	85	"						"		
51	86	"						"		
52	81	"						"		
53	78	"						"		
54	84	"						"		
55	81	♀						"		
56	95	"						"		
57	75	"						"		
58	82	"						"		
59	95	"						"		
60	85	"						"		
61	81	"						"		
62	85	"						"		
63	86	"						"		
64	85	"						"		
65	84	"						"		
66	78	"						"		
67	81	"						"		
68	86	"						"		
69	134	♂						IM	2976	
70	198	♂						IM		
71	109	♀						IM		
72	115	UNK						IM		
73	110	♀						IM		
74	111	UNK						IM		
75	103	♀						IM		
76	96	UNK						IM		
77	95	UNK						IM		
78	108	UNK						IM		
79	94	UNK						IM		
80	183	♀						IM	2978	
81	181	♀						IM		
82	165	♀						IM		
83	171	♂						IM		
84	172	♂						IM		
85	175	♂						IM		(3)
86	156	♂						IM		
87	161	♂						IM		
88	178	♀						IM		
89	237	♀						I	2980	
90	211	♀						I		
91	239	♀						I		
92	235	♀						I		
93	208	♂						IM		
94	207	♀						I		
95	210	♀						I		

2972